

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	65	non\$elastomer\$3 thermo\$plastic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 09:44
L5	27	4 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 09:45
L6	25	5 and (liquid or fluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 09:46
L7	0	non\$elastomer\$3 thermo\$plastic balloon contain\$4 (fluid or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 09:52

L8	6	non\$elastomer\$3 thermo\$plastic balloon (fluid or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 09:53
L9	27	5 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 09:53
L10	2	8 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 09:53
L11	13	non\$elastomer\$3 thermo\$plastic balloon and contain \$4 (fluid or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 09:55
L12	7	11 and transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 09:55
L13	5	12 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 09:55

L14	3	("6607502").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 10:31
L18	0	("transducer(actuatoror(drivenear3mechanism)) acousticfluidcommunicationballoon").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 11:23
L19	1	transducer (actuator or (drive near3 mechanism)) acoustic fluid communication balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:25
L20	7	(transducer (actuator or (drive near3 mechanism))) and (acoustic fluid communication balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:25
L21	3	20 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 11:26
L22	0	(transducer (actuator or (drive near3 mechanism))) and 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:28

L23	180	600/459,462,463,466.ccls. and fluid\$3 balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:34
L24	79	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with balloon) (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:35
L25	178	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with balloon) and (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:35
L26	126	(24 or 25) and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 11:35
L27	0	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with non\$elastic with balloon) (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:37
L28	0	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with non\$elastic with balloon) and (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:37

L29	0	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with non\$elastomeric with balloon) (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:37
L30	1	600/459,462,463,466.ccls. and ((liquid or fluid\$3) with non\$elastomeric with balloon) and (ultrasound or ultrasonic) transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:37
L31	9	26 and (non\$elastic or non\$elastomeric) with balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 11:38
L32	9	31 and (liquid or fluid) lumen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 11:41
L33	7	("4517840"   "4784148"   "5226422").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 11:42
L34	6	("4784148").URPN.	USPAT	SAME	ON	2011/08/01 12:10

L35	0	34 and (non\$elastic or non\$elastomeric) with balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:18
L36	4533	((acoustic or ultrasonic or ultrasound) with transducer) with (rotat\$3 or slid\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:21
L37	17	((acoustic or ultrasonic or ultrasound) with transducer) with (rotat\$3 or slid\$4) with (fluid near\$3 chamber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:21
L38	0	37 and (non\$elastic or non\$elastomeric) with balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:21
L39	0	37 and balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:21
L40	16	("20030014127"   "4762130"   "4955377"   "5411509"   "5458596"   "5569242"   "5944687"   "6035238"   "6071280"   "6179836"   "6254626"   "6280441"   "6314963"   "6427089"   "6533804"   "6895267").PN. OR ("7081113").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2011/08/01 12:24

L41	81	("3779234").URPN.	USPAT	SAME	ON	2011/08/01 12:29
L42	38	fluid chamber array (acoustic or ultrasound or ultrasonic) transducer	USPAT	SAME	ON	2011/08/01 12:47
L43	0	42 and balloon (fluid\$4 or liquid) communication	USPAT	SAME	ON	2011/08/01 12:48
L44	9	42 and balloon	USPAT	SAME	ON	2011/08/01 12:48
L45	8	44 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/01 12:48
L46	36	("5265612").URPN.	USPAT	SAME	ON	2011/08/01 12:58
L47	2	("4807634").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 14:27
L48	8	((("4426886") or ("4515017")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 14:29
L49	0	(rotat\$4 or pivot\$4) array transducer fluid\$3 chamber balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:31

L50	49	(rotat\$4 or pivot\$4) array transducer fluid\$3 chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:32
L51	0	50 and balloon fluidic communication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:33
L52	0	(non\$elastic or non\$elastomer) (acoustic fluid communication balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:34
L53	4	(non\$elastic or non\$elastomer) fluidic communication balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:34
L59	8	("4474184"   "4558706"   "4807634"   "5152294"   "5159931"   "5333612"   "5460179"   "5531119").PN. OR ("7484412").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2011/08/01 14:40
L60	9	((("5159931") or ("5150179") or ("5152294") or ("4474184")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 14:41



L61	2	"7484412"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:41
L62	1	(60 or 61) and balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:42
L63	81	("3779234").URPN.	USPAT	SAME	ON	2011/08/01 14:45
L64	3	600/459,462-462,466.ccls. and fluidic chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:47
L65	1	600/459,462-462,466.ccls. and fluidic lumen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 14:47
L74	9	(thermo\$plastic near3 (bag or balloon)) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:02

L75	14851	wickline.in. or hart.in. or cruikshank.in. or becker.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:04
L76	0	wickline.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:06
L77	0	wickline.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 15:06
L78	0	hart.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/08/01 15:06
L79	14851	wickline.in. or hart.in. or cruikshank.in. or becker.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:07
L80	0	hart.in. and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:07

L81	0	(cruikshank.in. or becker.in.) and (fluid chamber array transducer drive acoustic balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:07
L82	43988	wickline.in. or hart.in. or cruikshank.in. or becker.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/08/01 15:07
L84	2	("5882302").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/01 16:46
S2	2	"US 20070293761"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/03/17 15:36
S3	0	ultraso\$8 with probe with transducer with coupling adj fluid with fluid adj balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/17 15:37
S4	25	ultraso\$8 with probe with transducer with coupling adj fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/17 15:37

S5	1764	600/459.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/17 15:45
S6	1343	S5 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/17 15:45
S7	40	S6 and coupling adj fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/17 15:46
S8	589	600/463.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 09:23
S9	532	S8 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 09:29
S10	11	S9 and coupling adj fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 09:30

S11	1	ultrasound with transducer with distal with coupling adj fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 10:21
S12	18	(US-20040082859-\$ or US-20030195496-\$ or US- 20030055338-\$).did. or (US-7081093-\$ or US- 6599288-\$ or US-6425870-\$ or US-6039694-\$ or US- 6036646-\$ or US-6027449-\$ or US-5507294-\$ or US- 5351691-\$ or US-5190046-\$ or US-5509418-\$ or US- 5398691-\$ or US-5209235-\$ or US-5199437-\$ or US- 5178150-\$ or US-5070879-\$).did.	US-PGPUB; USPAT	OR	ON	2009/03/18 10:22
S13	4959	"18" and transducer with distal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 10:22
S14	13	S12 and transducer with distal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 10:22
S15	2	("5876344").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/18 11:35

S16	0	ultrasoun with transducer with coupling adj fluid with (balloon or bag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 14:17
S17	7	ultrasound with transducer with coupling adj fluid with (balloon or bag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 14:18
S18	4	ultrasound same transducer same distal same (coupling adj fluid) same (balloon or bag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 14:21
S19	21	coupling with fluid with balloon with material	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:25
S20	15	S19 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:26
S21	187	(non\$elastomeric adj thermoplastic) and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:29

S22	0	(coupling adj fluid) with balloon and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:30
S23	2	("6039694").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/18 15:36
S24	24	("4002221"   "4370451"   "4459854"   "4593699"   "5039774"   "5078149"   "5207225"   "5252692"   "5259383"   "5482047"   "5522878"   "5676159"). PN. OR ("6039694").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 15:36
S25	1	S24 and (coupling adj fluid) and balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:39
S26	20	coupling adj sheath with material	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:41
S27	12	S26 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:42

S28	6	((("4593699") or ("5259383") or ("5676159"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/18 15:44
S29	21	("5178150").URPN.	USPAT	OR	ON	2009/03/18 16:34
S31	0	compliance with polymer with temeprature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:55
S32	0	compliance with thermoplastic with temeprature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:55
S33	28	compliance with thermoplastic with temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:55
S34	114	compliance with (polymer or thermoplastic) with temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:56



S35	87	S34 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:56
S36	0	compliance with (non\$elastomeric adj thermoplastic) with temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 08:58
S37	6	((("5556383") or ("5714110") or ("5830182"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 09:43
S38	10	((("5556383") or ("5714110") or ("5830182") or ("4490421") or ("5348538"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 14:08
S39	2	S38 and high adj burst adj strength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:09
S40	0	S38 and psi with ml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:17

S41	1	high with compliance with psi with ml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:20
S42	0	thermoplastic with non\$elastomeric same (psi with ml)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:21
S43	5	S38 and (wall with thickness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:48
S44	0	S38 and permeability	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:57
S45	0	S38 and porous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:58
S46	0	S38 and permeable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:58

S47	2	("5490839").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 15:00
S48	0	S38 and S47 and psi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:22
S49	0	"5766158".pn. and psi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:23
S50	0	compliance with thermoplastic with psi with ml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:35
S51	0	compliance with thermoplastic with psi with volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:35
S52	0	compliance with thermoplastic with (pound with square with inch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:36

S53	2	compliance same thermoplastic same (pound with square with inch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:37
S54	2617	thermoplastic same (pound with square with inch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:39
S55	265	thermoplastic same (pound with square with inch) same volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:40
S56	0	non\$elastomeric adj3 thermoplastic same (pound with square with inch) same volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:40
S57	0	non\$elastomeric with thermoplastic same (pound with square with inch) same volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:40
S58	30	S55 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:41

S59	0	thermoplastic same (S38 with pound with square with inch) same milliliter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 16:01
S60	32	thermoplastic same (pound with square with inch) same milliliter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 16:02
S61	9	S60 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 16:02
S62	6	("4517840"   "4784148"   "5226422").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 16:26
S63	0	ultrasound probe fluid chamber unit that fluid drains into	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:56
S64	132	ultrasound probe fluid chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:56

S65	91	S64 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:56
S66	0	ultrasound probe fluid chamber (non\$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:57
S67	0	S65 and (non\$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:57
S68	0	S65 and ((non\$elastomeric or non\$elastic) thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:57
S69	0	ultrasound probe balloon (non\$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:58
S70	0	ultrasound probe balloon same ((non\$elastomeric or non\$elastic) thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:58

S71	0	ultrasound probe balloon made of (non\$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 16:58
S72	0	vloume compensation balloon made of (non \$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 17:00
S73	0	volume compensation balloon made of (non \$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 17:00
S74	0	fluid compensation balloon made of (non \$elastomeric or non\$elastic) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 17:00
S75	633896	fluid compensation balloon non\$elastic or thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 17:01
S76	633896	ultrasound fluid compensation balloon made non \$elastic or thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 17:03

S77	633896	ultrasound fluid compensation balloon made non\$elastic or thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:03
S78	633896	ultrasound balloon made non\$elastic or thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:03
S79	0	ultrasound balloon made of (non\$elastic or thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:04
S80	0	ultrasound balloon made of thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:04
S81	0	ultrasound balloon made of non\$elastic plastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:04
S82	0	thermo\$elastic ultrasound balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:05



S83	0	non\$elastic ultrasound balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:05
S84	0	ultrasound non\$elastic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:05
S85	1347	ultrasound balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:05
S86	0	acoustic transducer ballon made of thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 17:07
S87	3917894	rigid ultraso\$8 fluidic chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/19 18:09
S88	6145021	multiple rigid ultraso\$8 fluidic chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/19 18:09

S89	8273849	multiple rigid ultraso\$8 acousitc medium chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/19 18:10
S90	1	rigid ultraso\$8 fluidic chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:10
S91	0	multiple rigid ultraso\$8 fluidic chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:13
S92	0	rigid ultraso\$8 fluidic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:13
S93	149	rigid ultraso\$8 balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:13
S96	0	rigid ultraso\$8 balloon acousitc near (fluid or medium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:15

S97	0	rigid ultraso\$8 balloon containing (acoustic near (fluid or medium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:15
S98	0	rigid ultraso\$8 balloon acoustic near (fluid or medium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:15
S99	1	rigid balloon acoustic near (fluid or medium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:16
S100	9	rigid balloon acoustic medium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:16
S101	0	S100 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:16
S102	0	non\$flexible balloon acoustic medium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:17

S103	0	thermoplastic balloon acoustic medium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:17
S104	0	thermoplastic balloon holding acoustic (fluid or medium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:17
S105	1	Polyethylene terephthalate balloon acoustic (fluid or medium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:18
S106	39	Polyethylene terephthalate (ultrasonic or acoustic) balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:19
S108	22	Polyethylene terephthalate (ultrasonic or acoustic) balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:19
S111	2205	polyethylene terephthalate balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:20

S112	400	S111 and ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:20
S113	4	ultrasound transducer Polyethylene terephthalate balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:21
S114	0	ultrasound transducer non\$elastic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:24
S115	0	ultrasound transducer non\$flexible balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:25
S118	13	ultrasound transducer plastic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:26
S119	0	ultrasound transducer plastic balloon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/19 18:27

S120	0	58and @ad< "20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:31
S121	211	S112 and @ad< "20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:31
S122	3	S113 and @ad< "20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/19 18:31
S123	0	catheter balloon made of nonelastic thermopalstic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/20 10:31
S124	0	catheter balloon made of non\$elastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 10:44
S125	0	catheter balloon made of non\$elastomer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 10:45

S126	0	probe balloon made of non\$elastomer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 10:45
S127	0	ultrasound (probe or transducer) balloon made of (non\$elastic or non\$elastomeric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/20 16:28
S128	0	ultrasound (probe or transducer) fluid chamber made of (non\$elastic or non\$elastomeric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/10/20 16:29
S129	0	ultrasound (probe or transducer) fluid chamber (non \$elastic or non\$elastomeric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:31
S130	424	ultrasound (probe or transducer) fluid chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:31
S131	2	S130 and Polyethylene terephthalate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:31

S132	281	S130 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/20 16:32
S133	101	ultrasound (probe or transducer) acoustic fluid chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:33
S134	60	S133 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/20 16:33
S135	2	ultrasound (probe or transducer) acoustic fluid chamber thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:33
S136	1	ultrasound (probe or transducer) acoustic fluid chamber polyethylene terephthalate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:33
S137	3	ultrasound (probe or transducer) acoustic fluid chamber polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:34



S138	1	ultrasound (probe or transducer) acoustic fluid chamber (elastic or elastomeric) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:35
S139	3	ultrasound (probe or transducer) acoustic fluid chamber (elastic or elastomeric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:35
S140	0	ultrasound (probe or transducer) acoustic medium chamber polyethylene terephthalate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:54
S141	4	ultrasound (probe or transducer) acoustic medium chamber polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 16:55
S142	0	ultrasound (probe or transducer) acoustic medium chamber (elastic or elastomeric) thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 17:23
S143	4	ultrasound (probe or transducer) acoustic medium chamber (elastic or elastomeric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/20 17:24

S144	0	600/446.ccls. and (probe acousitc fluid balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:26
S145	0	600/446.ccls. and (acousitc fluid balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:27
S146	0	600/446.ccls. and (acousitc medium balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:27
S147	0	600/446.ccls. and (balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:27
S148	5	600/446.ccls. and thermoplastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:27
S149	0	600/437-449.ccls. and (probe acousitc fluid balloon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:40

S150	0	600/437-449.ccls. and (acousitc fluid balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:40
S151	0	600/437-449.ccls. and (acousitc medium balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:40
S152	4	600/437-449.ccls. and (balloon thermoplastic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/10/22 09:41
S153	29943	(bag or balloon or thermo\$plastic) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/07/30 19:35
S154	16507	(bag or balloon or thermo\$plastic) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/07/30 19:36
S155	9	(thermo\$plastic near3 (bag or balloon)) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/07/30 19:36

S156	45	(thermo\$plastic near3 (bag or balloon)) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/07/30 19:36
S157	26	(S155 or S156) and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/30 19:37
S158	28978	(bag or balloon) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/07/30 20:27
S159	16360	(bag or balloon) (inside or within or contained) (catheter or endoscope or probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/07/30 20:27
S160	88	S159 and 600/459,462-462,466.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/07/30 20:33
S161	66	S160 and @ad<"20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/07/30 20:33

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